

Fig.1 The molecular weight distribution of the reagents

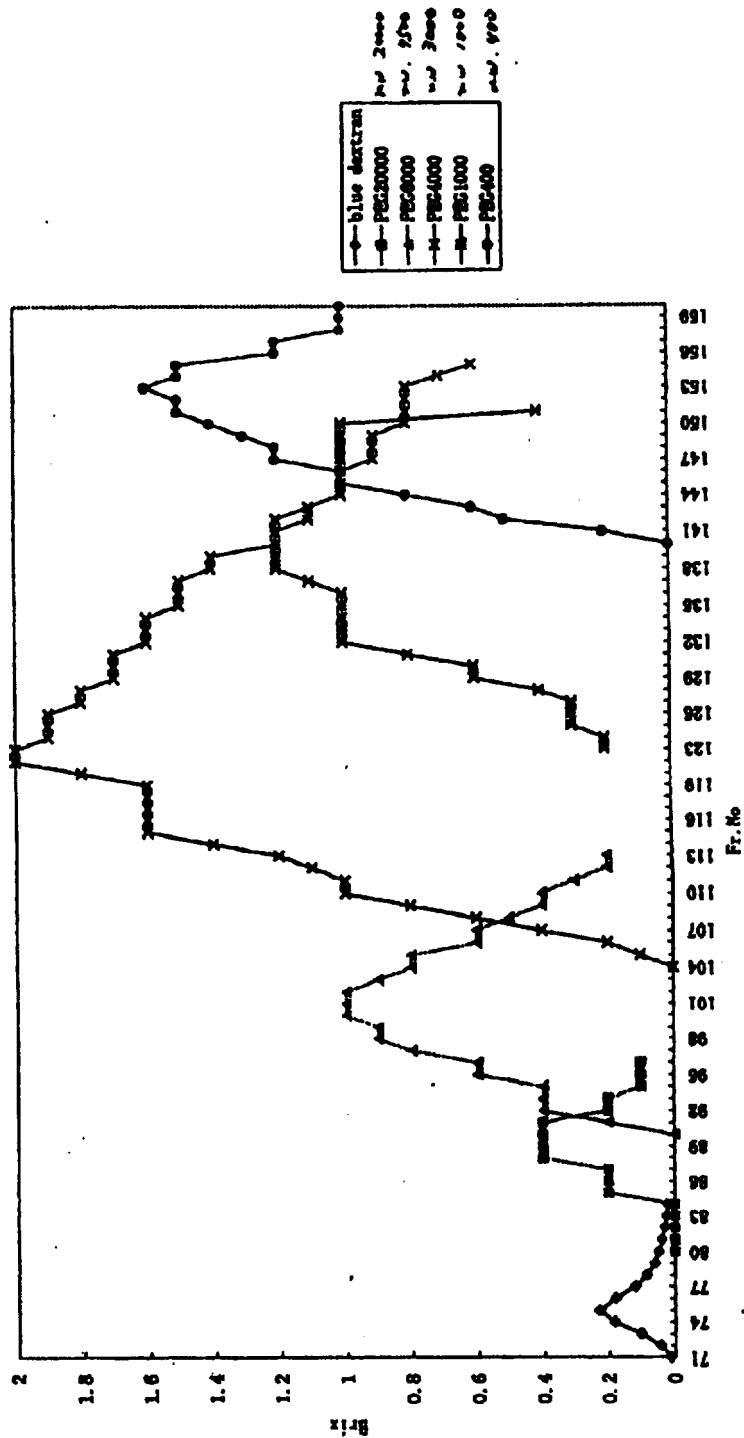


Fig. 2 The molecular weight distribution of lignin sulfonic acid

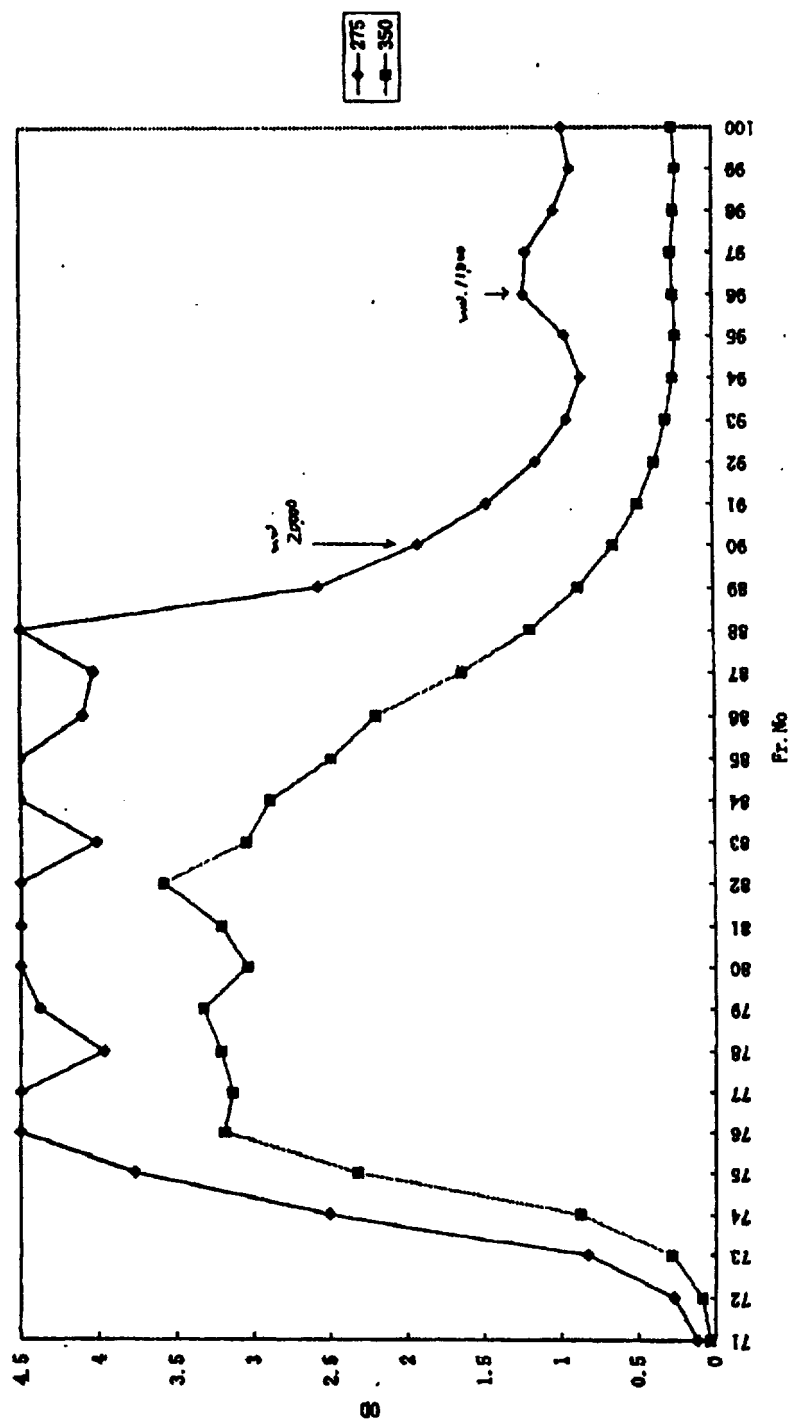


Fig.3 The molecular weight distribution of liginosulfonic acid sodium salt

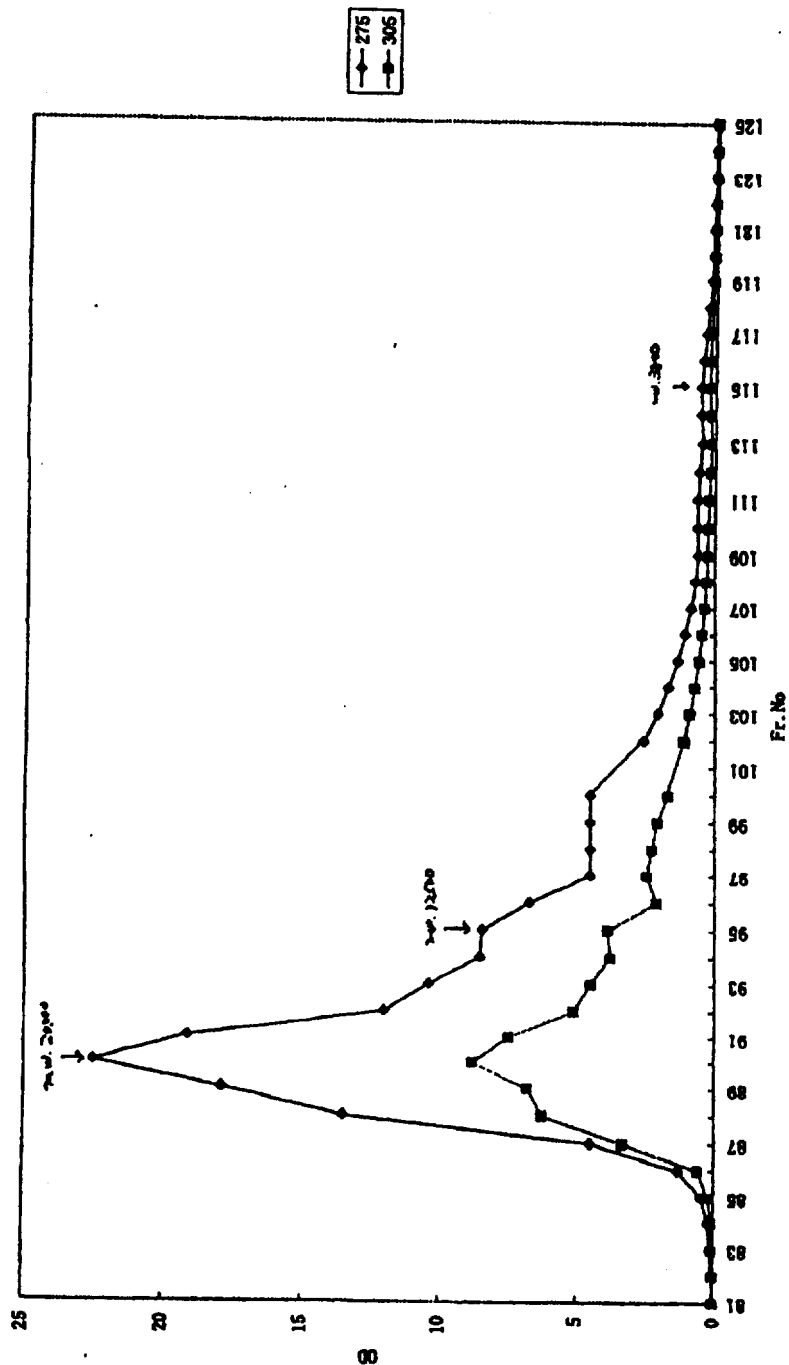
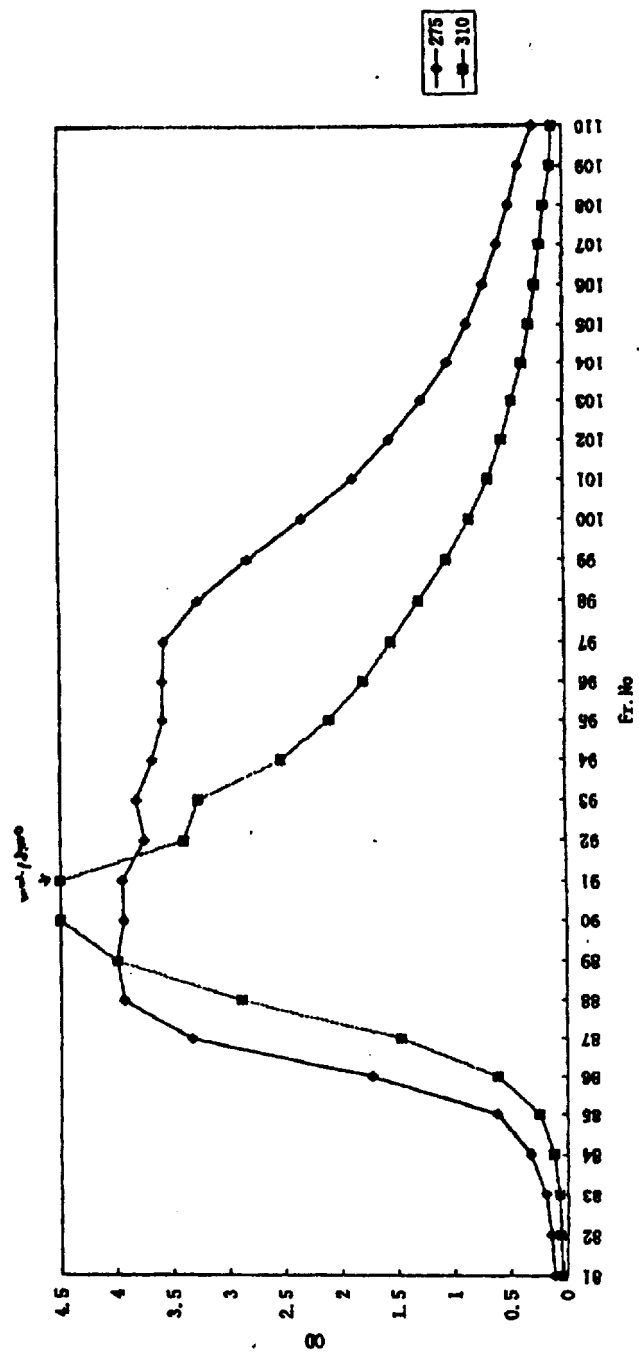


Fig.4 The molecular weight distribution of liginosulfonic acid sodium salt acetate



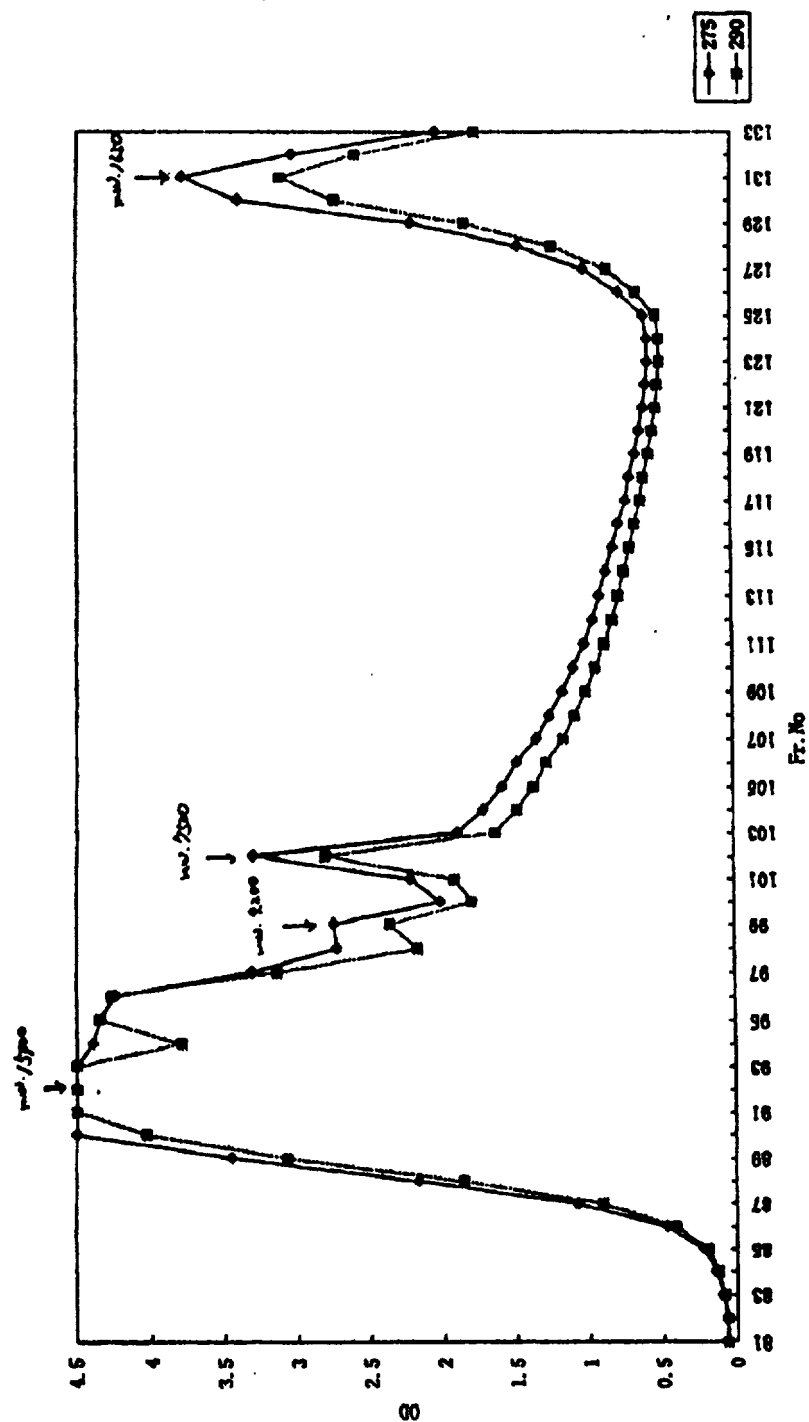


Fig.5 The molecular weight distribution of lignin organosolv propionate

Fig.6 The molecular weight distribution of humic acid

